

RELEVANT HITS

Dear Examiner Choi:

Attached are the search results for application 09/973,757 "WORK MACHINE MANAGEMENT SYSTEM."

This document contains the relevant hits and the entire search (the relevant hits are highlighted in yellow).

If you use Microsoft Word's "FIND" function (Ctrl+F) on the A character (shift 6) it will take you to the relevant hits.

If you have any questions, please don't hesitate to call, or e-mail.

Sincerely,

Christian Miner, MLIS
Technical Information Specialist
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ASRC Management Services
USPTO Contractor
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christian.miner@uspto.gov

COMPLETE SEARCH

~~Patent Literature Abstracts

[File 350] Derwent WPIX 1963-2008/UD=200825

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[File 347] JAPIO Dec 1976-2007/Dec(Updated 080328)

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; d s
Set      Items  Description
S1       115116  S (MASTER OR MAIN OR CENTRAL OR CHIEF OR PRIMARY
OR PRINCIPAL OR FIRST OR INITIAL OR TOP()LEVEL OR WORK) (3N)
(MACHINE OR COMPUTER)
S2       2008    S (MANAG??? OR CONTROL? ? OR CONTROLL??? OR
COORDINAT??? OR DIRECT??? OR GOVERN??? OR GUID??? OR HANDL???)
(3N) (COMPUTERS OR MACHINES)
S3       16436   S (DISTRIBUT??? OR DISSEMINAT??? OR
PASS???)DOWN OR TRANSMIT? OR RECEIV???) (5N) (ORDER? ? OR
INSTRUCTION? ? OR COMMAND? ? OR DIRECTION? ? OR INFORMATION OR
SIGNAL? ?)
S4       741     S CONSTRUCTION() (WORK OR INDUSTRY) OR BULLDOZER?
? OR HYDRAULIC()SHOVEL? ? OR (STREAM OR ROAD)()ROLLER? ? OR
GRADER? ? OR DUMP()TRUCK? ? OR STEAMROLLER? ?
S5       27148   S INTRANET OR WIDE()AREA()NETWORK OR WAN OR
LOCAL()AREA()NETWORK OR LAN OR NETWORK? ? OR SERVER? ? OR
COMPUTERI? OR COMPUTER() (CONTROL? OR BASE?) OR ELECTRONIC
S6       16372   S RADIO? ? OR WIRELESS OR WIRE()LESS OR WAP OR
CELL OR CELLULAR OR MOBILE OR REMOTE?? OR RECEIVER? ?
S7       3795    S IC=(G06Q OR G06F)
S8       2008    S S1 AND S2
S9       541     S S8 AND S3
S10      337     S S9 AND S5
S11      2       S S10 AND S4
S12      285    S S1 (5N) S2
S13      80     S S12 AND S3
S14      56     S S13 AND S5
S15      22     S S14 AND S6
S16      21     S S15 NOT S11
S17      9      S S16 NOT PY>2000
S18      131    S S10 AND S6
S19      38     S S18 NOT PY>2000
S20      29     S S19 NOT (S11 OR S17)
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^11/5/1 (Item 1 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

Derwent WPIX

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0012640325 & *Drawing available*

WPI Acc no: 2002-489449/200252

Related WPI Acc No: 2002-453741

XRPX Acc No: N2002-386951

Machine management system e.g. for grader, has server which produces management information based on received and stored management information, for output to main machine that manages several machines

Patent Assignee: KOMATSU KK (KOMS); TAMARU M (TAMA-I)

Inventor: TAMARU M

Patent Family (3 patents, 2 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20020059320	A1	20020516	US 2001973757	A	20011011	200252	B
DE 10151942	A1	20021205	DE 10151942	A	20011012	200280	E
DE 10151942	B4	20051208	DE 10151942	A	20011012	200580	E

Priority Applications (no., kind, date): JP 2000312275 A 20001012; JP 2001129793 A 20010426

Patent Details

Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
US 20020059320	A1	EN	99	18	

Alerting Abstract US A1

NOVELTY - A sensor detects machine information and transmits detected information to a main machine through a radio communication link. The main machine transmits received machine information to a server which produces a management information based on the received information and stored management information, for output to main machine through another link. The main machine manages several machines based on the received information.

DESCRIPTION - An INDEPENDENT CLAIM is included for scheduled work plan production apparatus.

USE - For management of work machine used in road construction work e.g. bulldozer, hydraulic shovels, road roller, grader and dump truck.

ADVANTAGE - Minimum of one manager is needed to receive construction machine information and to issue directions to the construction machines, hence personnel costs can be reduced. Reduces the number of radio channels, equipments costs and communication costs, since communication is required only between the work machine and the server. Management of work instructions and work progress can be performed properly in response to changes in the site conditions.

DESCRIPTION OF DRAWINGS - The figure shows a relationship between information collected from various terminal apparatus and services produced by server.

Title Terms /Index Terms/Additional Words: MACHINE; MANAGEMENT; SYSTEM; GRADE; SERVE; PRODUCE; INFORMATION; BASED; RECEIVE; STORAGE; OUTPUT; MAIN; MANAGE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
E02F-009/20; G06F-012/00			Main		"Version 7"
E02F-003/76; G05D-001/02; G06F-017/60; G07C-005/00			Secondary		"Version 7"

US Classification, Issued: 707200

File Segment: EngPI; EPI;

DWPI Class: T01; T06; Q42

Manual Codes (EPI/S-X): T01-J07B1; T01-N02A2; T06-A07A1

^ 11/5/2 (Item 2 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

Derwent WPIX

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0012370174 & *Drawing available*

WPI Acc no: 2002-313121/200235

XXPX Acc No: N2002-245751

Network based power shovel management system has server managed by management unit and connected to user's terminal, to present processed information of power shovel

Patent Assignee: KOMATSU SEISAKUSHO KK (KOMS)

Inventor: ARAKAWA H; ASAYAMA Y; HIRAKI H

Patent Family (1 patents, 1 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2002091547	A	20020329	JP 2000278427	A	20000913	200235	B

Priority Applications (no., kind, date): JP 2000278427 A 20000913

Patent Details

Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
JP 2002091547	A	JA	13	13	

Alerting Abstract JP A

NOVELTY - A storage unit stores the power shovel information transmitted by an transmitter (8). A processor processes the stored information. A server (22) managed by a management unit (23) and connected to the user's terminal (4A,4B), presents the processed information.

USE - For managing machines e.g. bulldozer, power shovel, etc.

ADVANTAGE - Since all the transmitted information are processed and displayed, the machine can be efficiently managed.

DESCRIPTION OF DRAWINGS - The figure shows the outline block diagram of entire management system. (Drawing includes non-English language text).

4A,4B User's terminal

8 Transmitter

22 Server

23 Management unit

Title Terms /Index Terms/Additional Words: NETWORK; BASED; POWER; SHOVEL; MANAGEMENT; SYSTEM; SERVE; UNIT; CONNECT; USER; TERMINAL; PRESENT; PROCESS; INFORMATION

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
E02F-0009/20	A	I	F	R	20060101
G05B-0023/02	A	I	L	R	20060101
G08G-0001/00	A	I	L	R	20060101
G08G-0001/13	A	I	L	R	20060101
E02F-0009/20	C	I	F	R	20060101
G05B-0023/02	C	I	L	R	20060101
G08G-0001/00	C	I	L	R	20060101
G08G-0001/127	C	I	L	R	20060101

File Segment: EngPI; EPI;

DWPI Class: T06; T07; Q42

Manual Codes (EPI/S-X): T06-A08; T07-B

17/5/1 (Item 1 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

Derwent WPIX

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0009806826 & *Drawing available*

WPI Acc no: 2000-096479/200008

XRPX Acc No: N2000-074504

Distributed computation method e.g. for loosely coupled computer systems

Patent Assignee: DOYLE J F (DOYL-J)

Inventor: DOYLE J F

Patent Family (1 patents, 1 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6009455	A	19991228	US 199863257	A	19980420	200008	B

Priority Applications (no., kind, date): US 199863257 A 19980420

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6009455	A	EN	25	8	

Alerting Abstract US A

NOVELTY - The method is applied on system consisting of a master computer (5) and client computers (11), with the master computer executing an application independent master control program (10). An algorithm (13) is executed on each client computer, to check availability, with the results sent back to the master control program.

DESCRIPTION - Job request (1) and output (3) systems are connected via signal connection to the master control program. These are used for submitting job requests throughout the distributed system. For each available client, an availability message is sent from them to the master program, which in turn decides if the client should be selected for a particular job request.

An INDEPENDENT CLAIM is included for a system for performing one or more distributed computations on plurality of computers.

USE - Performing calculations on loosely coupled computer systems.

ADVANTAGE - Allowing easy formatting of spreadsheet-based optimization calculations.

DESCRIPTION OF DRAWINGS - The drawing shows a generalized distributed computation network utilizing idle time on client computers

1 Job request system

3 Job output system

5 Master computer

10 Master control program

11 Client computers

13 Availability algorithm

Title Terms/Index Terms/Additional Words: DISTRIBUTE; COMPUTATION; METHOD;
LOOSE; COUPLE; COMPUTER; SYSTEM

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-013/00			Main		"Version 7"
G06F-015/16			Secondary		"Version 7"

US Classification, Issued: 709201, 709106, 709205

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H07C5A; T01-J05A2; T01-M02A1B; T01-S02

^17/5/4 (Item 4 from file: 350) [Links](#)Fulltext available through: [Order File History](#)

Derwent WPIX

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0007068739 & *Drawing available*

WPI Acc no: 1995-091834/199513

XRPX Acc No: N1995-072627

Traffic control device for rail traffic - has a computer- based hierarchical construction in three levels with the lowest level comprising "safe" vehicle computers.

Patent Assignee: ELPRO BERLIN INDUSTRIELEKTRONIK (ELPR-N); INSY INTEGRALE SICHERUNGS & INFORMATIONEN (INSY-N)

Inventor: BAER A; BALZER D; CYBULENSKI B; LEIBNITZ E; POLKE M; RICHTER K

Patent Family (5 patents, 24 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 4331431	C1	19950302	DE 4331431	A	19930913	199513	B
WO 1995007832	A1	19950323	WO 1994EP3032	A	19940909	199517	E
EP 719224	A1	19960703	EP 1994927600	A	19940909	199631	E
			WO 1994EP3032	A	19940909		
EP 719224	B1	20000119	EP 1994927600	A	19940909	200009	E
			WO 1994EP3032	A	19940909		
DE 59409091	G	20000224	DE 59409091	A	19940909	200017	E
			EP 1994927600	A	19940909		
			WO 1994EP3032	A	19940909		

Priority Applications (no., kind, date): DE 4331431 A 19930913

Patent Details

Patent Number	Kind	Lang	Pgs	Draw	Filing Notes		
DE 4331431	C1	DE	8	2			
WO 1995007832	A1	DE	12	2			
National Designated States,Original	BG BY CZ HU LV PL RU SK UA						
Regional Designated States,Original	AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE						
EP 719224	A1	DE	1	0	PCT Application	WO 1994EP3032	
					Based on OPI patent	WO 1995007832	
Regional Designated States,Original	AT BE DE FR NL						
EP 719224	B1	DE			PCT Application	WO 1994EP3032	

				Based on OPI patent	WO 1995007832
Regional Designated States,Original	AT BE DE FR NL				
DE 59409091	G	DE		Application	EP 1994927600
				PCT Application	WO 1994EP3032
				Based on OPI patent	EP 719224
				Based on OPI patent	WO 1995007832

Alerting Abstract DE C1

A traffic control device is computer-based and has a hierarchical construction. The lowest, near-process level comprises "safe" vehicle computers, which are arranged on each vehicle. The middle level, which is one level higher than the lowest level comprises a "safe" control computer. The highest level, which is one level higher than the middle level, comprises a master computer. The master computer does not become engaged in track safety or running operation. Real-time detection of vehicle data is carried out. The data may include an identifier, transport capacity and contents oriented data.

USE/ADVANTAGE - Especially suitable for single-track routes and for regional traffic. Provides save running operations at low personnel cost.

Title Terms /Index Terms/Additional Words: TRAFFIC; CONTROL; DEVICE; RAIL; COMPUTER; BASED; HIERARCHY; CONSTRUCTION; THREE; LEVEL; LOW; COMPRISE; SAFE; VEHICLE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
B61L-023/22			Main		"Version 7"
B61L-0023/22	A	I		R	20060101
B61L-0027/00	A	I		R	20060101
B61L-0023/00	C	I		R	20060101
B61L-0027/00	C	I		R	20060101

File Segment: EngPI; EPI;

DWPI Class: T01; X23; Q21

Manual Codes (EPI/S-X): T01-J07C; X23-B05

^17/5/8 (Item 8 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

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0003868852

WPI Acc no: 1986-327259/198650

Mfg. production system for inner bus system for electronic products - uses production information sequentially written in product memory for transfer to production computer

Patent Assignee: SONY CORP (SONY)

Inventor: ISHIKAWA Y; OHTA M; SHINODA H

Patent Family (6 patents, 6 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 204465	A	19861210	EP 1986303871	A	19860521	198650	B
AU 198657649	A	19861204				198707	E
US 4759123	A	19880726	US 1986865001	A	19860520	198832	E
CA 1258919	A	19890829				198939	E
EP 204465	B1	19930317	EP 1986303871	A	19860521	199311	E
DE 3688003	G	19930422	DE 3688003	A	19860521	199317	E
			EP 1986303871	A	19860521		

Priority Applications (no., kind, date): JP 1985113791 A 19850527

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 204465	A	EN	20	7		
Regional Designated States,Original	DE FR GB NL					
CA 1258919	A	EN				
EP 204465	B1	EN	16	7		
Regional Designated States,Original	DE FR GB NL					
DE 3688003	G	DE			Application	EP 1986303871
					Based on OPI patent	EP 204465

Alerting Abstract EP A

A single central, or high-order, computer (32) controls several lower-order computers (31), each of which is disposed at a respective assembly line for an electronic product (30). The manufacturing information required for the respective production process is stored in a non-volatile memory of the receiver by the lower-order computer of the respective assembly line.

Information stored in the memory may give instructions for the withdrawing from a warehouse or magazine of specified types of CRT and printed circuit boards in a predetermined sequence. The items withdrawn are instructed to be placed on conveyors for despatch to specified destinations and checks are made whether or not the required operations have been effected correctly.

USE/ADVANTAGE - Mfr. of television receivers and video or audio tape recorders. Performance requirements of central computer are made less onerous by system described which allows for highly efficient mfr. production.

Title Terms/Index Terms/Additional Words: MANUFACTURE; PRODUCE; SYSTEM; INNER; BUS; ELECTRONIC; PRODUCT; INFORMATION; SEQUENCE; WRITING; MEMORY; TRANSFER; COMPUTER

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-015/21			Main		"Version 7"
B23P-0021/00	A	I	F	R	20060101
B23Q-0041/00	A	I	L	R	20060101
G06Q-0010/00	A	I		R	20060101
G06Q-0050/00	A	I	L	R	20060101
G07C-0003/00	A	I		R	20060101
B23P-0021/00	C	I	F	R	20060101
B23Q-0041/00	C	I	L	R	20060101
G06Q-0010/00	C	I		R	20060101
G06Q-0050/00	C	I	L	R	20060101
G07C-0003/00	C	I		R	20060101

US Classification, Issued: 29832, 29564.1, 209573, 364468, 364491

File Segment: EngPI; EPI;

DWPI Class: T01; V04; P56

Manual Codes (EPI/S-X): T01-J; T01-J07; V04-V09; V04-X

^20/5/8 (Item 8 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

Derwent WPIX

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0008888241 & *Drawing available*

WPI Acc no: 1998-436842/199837

XRPX Acc No: N1998-340383

Copier management apparatus using cellular radio network - has central computer generating node management command to central cellular radio station which transmits the command to selected stations

Patent Assignee: EQUITRAC CORP (EQUI-N)

Inventor: BOVEE C E; FILIPPONE N; MOORE R; YOUSEFI C

Patent Family (1 patents, 1 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5787149	A	19980728	US 1995558884	A	19951116	199837	B

Priority Applications (no., kind, date): US 1995558884 A 19951116

Patent Details

Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
US 5787149	A	EN	27	11	

Alerting Abstract US A

The apparatus has a number of remote document-producing nodes and a central computer generating a node management command directed towards a selected node.

A central cellular radio station receives the management command. The station has a central cellular radio transmitting communications to the remote nodes, the station transmitting via the central cellular radio the management command to the selected remote node.

ADVANTAGE - Allows a central computer to collect copy count data and status information from remote copiers, improving quality of service and maintenance.

Title Terms /Index Terms/Additional Words: COPY; MANAGEMENT; APPARATUS; CELLULAR ; RADIO; NETWORK; CENTRAL; COMPUTER; GENERATE; NODE; COMMAND; STATION; TRANSMIT; SELECT

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
H04Q-0007/00	A	I		R	20060101
H04Q-0007/00	C	I		R	20060101

US Classification, Issued: 37959

File Segment: EPI;

DWPI Class: W01; W02; W05

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A; W05-D04A5

^20/5/23 (Item 23 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

Derwent WPIX

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0005010491 & *Drawing available*

WPI Acc no: 1989-294175/198941

Three-colour traffic lights controller at road intersections - uses radio telephone links between bus and roadside stations to locate and advise bus and traffic control computers

Patent Assignee: CGA-HBS CIE GEN (CGDA); CGA-HBS CIE GEN AUTOMATISME SA (CGDA)

Inventor: LEBLANC M

Patent Family (8 patents, 10 & countries)

Patent Number	Kind	Date	Application	Kind	Date	Update	Type
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			Number				
EP 336256	A	19891011	EP 1989105403	A	19890328	198941	B
FR 2629614	A	19891006	FR 19884304	A	19880331	198947	E
NO 198901333	A	19891023				198948	E
DK 198901529	A	19891001				198950	E
FI 198901503	A	19891001				199002	E
CA 1299264	C	19920421	CA 595241	A	19890330	199221	E
EP 336256	B1	19931013	EP 1989105403	A	19890328	199341	E
ES 2046354	T3	19940201	EP 1989105403	A	19890328	199409	E

Priority Applications (no., kind, date): FR 19884304 A 19880331

Patent Number	Patent Details					Filing Notes
	Kind	Lan	Pgs	Draw		
EP 336256	A	FR	7	2		
Regional Designated States, Original	BE ES FR IT NL SE					
CA 1299264	C	FR				
EP 336256	B1	FR	7	2		
Regional Designated States, Original	BE ES FR IT NL SE					
ES 2046354	T3	ES			Application	EP 1989105403
					Based on OPI patent	EP 336256

Alerting Abstract EP A

The traffic light controller comprises a transmitting device on each vehicle, a set of receivers on the approaches to an intersection and a link to computers controlling bus and general traffic. Each vehicle carries a radio telephone which is connected through a modem to a microcomputer. Receivers positioned at the approach to the intersection receives the radio-telephone signals and couple them through a modem (8) to a central computer (5) installation which manages the operation of the bus fleet, this central computer (5) being connected to the general traffic control computer (9) which controls the operation of the electronic circuit which switches the traffic lights at the intersections.

USE/ADVANTAGE - Allows approaching vehicle, for example bus, to initiate, in conjunction with general traffic control computer, operation of traffic control signals so as to obtain preferential traffic flow for public transport vehicles.

Title Terms/Index Terms/Additional Words: THREE; COLOUR; TRAFFIC; LIGHT; CONTROL; ROAD ; INTERSECT; RADIO; TELEPHONE; LINK; BUS; STATION; LOCATE; ADVICE; COMPUTER

Class Codes

International Patent Classification					
IPC	Class Level	Scope	Position	Status	Version Date
G08G-0001/087	A	I		R	20060101

G08G-0001/07	C	I		R	20060101
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File Segment: EngPI; EPI;

DWPI Class: T07; W02; Q41

Manual Codes (EPI/S-X): T07-A; T07-C; W02-C03C

~~Patent Literature Full-Text

[File 348] EUROPEAN PATENTS 1978-2007/ 200816

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[File 349] PCT FULLTEXT 1979-2008/UB=20080403UT=20080327

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; d s
Set      Items      Description
S1        77452      S (MASTER OR MAIN OR CENTRAL OR CHIEF OR PRIMARY
OR PRINCIPAL OR FIRST OR INITIAL OR TOP()LEVEL OR WORK) (3N)
(MACHINE OR COMPUTER)
S2         5898      S (MANAG??? OR CONTROL? ? OR CONTROLL??? OR
COORDINAT??? OR DIRECT??? OR GOVERN??? OR GUID??? OR HANDL???)
(3N) (COMPUTERS OR MACHINES)
S3         43698      S (DISTRIBUT??? OR DISSEMINAT??? OR
PASS???()DOWN OR TRANSMIT? OR RECEIV???) (5N) (ORDER? ? OR
INSTRUCTION? ? OR COMMAND? ? OR DIRECTION? ? OR INFORMATION OR
SIGNAL? ?)
S4          881      S CONSTRUCTION() (WORK OR INDUSTRY) OR BULLDOZER?
? OR HYDRAULIC()SHOVEL? ? OR (STREAM OR ROAD)()ROLLER? ? OR
GRADER? ? OR DUMP()TRUCK? ? OR STEAMROLLER? ? OR (WORK OR FLOW
OR MACHINE)()MANAGEMENT
S5         50180      S INTRANET OR WIDE()AREA()NETWORK OR WAN OR
LOCAL()AREA()NETWORK OR LAN OR NETWORK? ? OR SERVER? ? OR
COMPUTER? OR COMPUTER() (CONTROL? OR BASE?) OR ELECTRONIC
S6         46543      S RADIO? ? OR WIRELESS OR WIRE()LESS OR WAP OR
CELL OR CELLULAR OR MOBILE OR REMOTE?? OR RECEIVER? ?
S7         210578     S IC=(G06F OR G06Q)
S8          287      S S1 (7N) S2
S9          28       S S8 (S) S3
S10         14       S S9 (S) (S4 OR S5 OR S6)
S11          9       S S10 NOT PY>2001
S12          9       IDPAT (sorted in duplicate/non-duplicate order)
S13         8       IDPAT (primary/non-duplicate records only)

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^13/3K/3 (Item 3 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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00600604

Bagging Control Apparatus and Method

Steuerung eines Verfahrens und einer Vorrichtung zum Verpacken in Beuteln

Reglage d'un procede et appareil d'ansachage

Patent Assignee:

- AUTOMATED PACKAGING SYSTEMS, INC.; (434212)
10175 Philipp Parkway; Streetsboro, Ohio 44241; (US)
(applicant designated states: DE;ES;FR;GB;IT;SE)

Inventor:

- Kramer, James D.
352 South Prospect; Medina, Ohio 44256-2347; (US)

Legal Representative:

- Skinner, Michael Paul (55431)
c/o Swindell & Pearson 48 Friar Gate; Derby DE1 1GY; (GB)

	Country	Number	Kind	Date	
Patent	EP	592096	A1	19940413	(Basic)
	EP	592096	B1	19970305	
Application	EP	93306801		19930826	
Priorities	US	936925		19920827	
	US	954305		19920930	
	US	954378		19920930	

Designated States:

DE; ES; FR; GB; IT; SE;

International Patent Class (V7): B65B-043/12; B65B-057/04; Abstract Word Count: 159

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	939
SPEC A	(English)	EPABF2	6767
CLAIMS B	(English)	EPAB97	1037
CLAIMS B	(German)	EPAB97	1020
CLAIMS B	(French)	EPAB97	1306

SPEC B	(English)	EPAB97	6576
Total Word Count (Document A) 7707			
Total Word Count (Document B) 9939			
Total Word Count (All Documents) 17646			

Specification: ...Machine System

Figures 17 and 18 illustrate a bagging machine system 450 having multiple bagging machines 454 controlled by a central computer 452. Serial interconnections between the computer 452 and the multiple bagging machine 454 take place through modems 460 which transmit control signals to and from the computer 452. Each modem 460 is connected to a serial communication line 462 routed through an office or factory. Two additional local area networks 463, 464 are also depicted in Figure 17. The network 463 interconnects three bagging machines 454 via the network connector 168 (Figure 6) of each of those bagging machines. The network 464 interconnects two bagging machines by the same network connector.

The computer 452 could be a main frame, mini or personal computer programmed to...

Specification: ...Machine System

Figures 17 and 18 illustrate a bagging machine system 450 having multiple bagging machines 454 controlled by a central computer 452. Serial interconnections between the computer 452 and the multiple bagging machine 454 take place through modems 460 which transmit control signals to and from the computer 452. Each modem 460 is connected to a serial communication line 462 routed through an office or factory. Two additional local area networks 463, 464 are also depicted in Figure 17. The network 463 interconnects three bagging machines 454 via the network connector 168 (Figure 6) of each of those bagging machines. The network 464 interconnects two bagging machines by the same network connector.

The computer 452 could be a main frame, mini or personal computer programmed to...

13/3K/7 (Item 7 from file: 349) [Links](#)

Fulltext available through: [Order File History](#)

PCT FULLTEXT

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00205810

MODEM-CONTROLLED AC POWER CONTROLLER

CONTROLEUR DE PUISSANCE A COURANT ALTERNATIF COMMANDE PAR MODEM

Patent Applicant/Patent Assignee:

- PULIZZI ENGINEERING INC;
- ;;

	Country	Number	Kind	Date
Patent	WO	9203004	A1	19920220
Application	WO	91US5393		19910730
Priorities	US	90292		19900730

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English

Filing Language:

Fulltext word count: 5984

Claims:

A modem-controlled power controller for controlling

AC power to computers, computer work stations and other equipment for which powering up in response to a remote command, said power controller comprising: a. an AC power input adapted for being connected to... ..relay means being normally in -the nonconducting state; de modem interface means connected for receiving input signal from a modem, said input signals intended for the computer, computer work station or the like connected to said power output; and e. control means responsive to an input signal being received by said modem interface means for causing the relay means to be operated from the... ..relay means to remain in the conducting state for at least as long as said signal is received by said modem interface means.

2 The modem-controlled power controller as claimed in claim...signal received -by the modem interface means ceases.

13 A modem-controlled power controller for controlling electrical power to computers, computer work stations and other equipment for which powering up in response to a remote command, said power controller comprising: a. an electric power input adapted for being connected to... ..computer, a computer WO 92/03004 PCr/US91/05393 de modem interface means connected for receiving input signal from a modem, said input signals intended for the computer computer work station or theretaining the relay means in said conducting state for at least as long as said signal is received by said modem interface means, said interface means including means for decoupling said modem from... ..relay means in said conducting state for at least about five minutes after said input signal ceases being received by said modem interface means.

15 The modem-controlled power controller as claimed in claim... ..in the absence of modem input signals. A

17 A modem-controlled power controller for controlling

AC power to computers, computer work stations and other equipment for which powering up in response to a remote command, said power controller comprising: a. an AC power input adapted for being connected to...output, said contacts being normally in the open-state; e. modem interface means connected for receiving modem input signals intended for the computer, computer 18. A modem-controlled power controller for controlling AC power to computers, computer work stations and other equipment, said power controller comprising: a. an AC power input adapted for... ..from the power input is provided to the power output; d. microprocessor means connected for receiving modem input signals intended for the computer, computer. The modem-controlled power controller as claimed in claim 17... ..relay means in said conducting state for a predetermined length of time after said input signal ceases being received by said microprocessor means. 20. The modem-controlled power controller as claimed in claim 18...

13/3K/8 (Item 8 from file: 349) [Links](#)

Fulltext available through: [Order File History](#)

PCT FULLTEXT

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00146802

INFORMATION TRANSMISSION SYSTEM

SYSTEME DE TRANSMISSION D'INFORMATIONS

Patent Applicant/Patent Assignee:

- LOGICBLEND LIMITED;

;;

- ASHBLEY James Amachi;

;;

	Country	Number	Kind	Date
Patent	WO	8803690	A1	19880519
Application	WO	87GB805		19871111
Priorities	GB	8626871		19861111

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English

Filing Language:

Fulltext word count: 2205

Claims:

...I can be linked together to provide a more extensive and exciting game, Here a central computer 100 controls several local computers 102, 104, 106 each of which corresponds to the 'hostcomputer' 10 of Figure 1... ..Between the computers two-way communication is preferably available by cable, facsimile, telex, telephone (including mobile telephone), broadcast radio, or narrowcast radio using infra-red, UHF or VHF, microwave, television or teletext. The link between the host... ..illustrated in Figures 8 and 9. In an arrangement such as shown in Figure 10 information is distributed over the system. The central computer 100 contains the overall management software that ensures the satisfactory performance of the system, and monitors the state of the user network, keeping it within manageable parameters. It thus contains the entire scenario ...to booking or reservations for example. If the tourist guide station is implemented into a larger network, of the type illustrated in Figure 10, the central computer contains the entire commercial database...

~~Non- Patent Literature Abstracts

[File 2] INSPEC 1898-2008/Mar W4

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[File 35] Dissertation Abs Online 1861-2008/Nov

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[File 65] Inside Conferences 1993-2008/Apr 18

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[File 99] Wilson Appl. Sci & Tech Abs 1983-2008/Mar

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[File 474] New York Times Abs 1969-2008/Apr 21

(c) 2008 The New York Times. All rights reserved.

[File 256] TecInfoSource 82-2008/Oct

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[File 475] Wall Street Journal Abs 1973-2008/Apr 21

(c) 2008 The New York Times. All rights reserved.

[File 583] Gale Group Globalbase(TM) 1986-2002/Dec 13

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**File 583: This file is no longer updating as of 12-13-2002.*

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; d s
Set      Items      Description
S1       30846      S (MASTER OR MAIN OR CENTRAL OR CHIEF OR PRIMARY
OR PRINCIPAL OR FIRST OR INITIAL OR TOP()LEVEL OR WORK) (3N)
(MACHINE OR COMPUTER)
S2       562        S (MANAG??? OR CONTROL? ? OR CONTROLL??? OR
COORDINAT??? OR DIRECT??? OR GOVERN??? OR GUID??? OR HANDL???)
(3N) (COMPUTERS OR MACHINES)
S3       560        S (DISTRIBUT??? OR DISSEMINAT??? OR
PASS???()DOWN OR TRANSMIT? OR RECEIV???) (5N) (ORDER? ? OR
INSTRUCTION? ? OR COMMAND? ? OR DIRECTION? ? OR INFORMATION OR
SIGNAL? ?)
S4       108        S CONSTRUCTION() (WORK OR INDUSTRY) OR BULLDOZER?
? OR HYDRAULIC()SHOVEL? ? OR (STREAM OR ROAD)()ROLLER? ? OR
GRADER? ? OR DUMP()TRUCK? ? OR STEAMROLLER? ? OR (WORK OR FLOW
OR MACHINE)()MANAGEMENT
S5       8303       S INTRANET OR WIDE()AREA()NETWORK OR WAN OR
LOCAL()AREA()NETWORK OR LAN OR NETWORK? ? OR SERVER? ? OR
COMPUTERI? OR COMPUTER() (CONTROL? OR BASE?) OR ELECTRONIC
S6       2543       S RADIO? ? OR WIRELESS OR WIRE()LESS OR WAP OR
CELL OR CELLULAR OR MOBILE OR REMOTE?? OR RECEIVER? ?
S7       562        S S1 AND S2

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S8	19	S S7 AND S3
S9	12	S S8 AND (S4 OR S5 OR S6)
S10	8	S S9 NOT PY>2000
S11	3	S S7 AND S4
S12	3	S S11 NOT S10

^10/5/1 (Item 1 from file: 2) [Links](#)

INSPEC

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04819912 INSPEC Abstract Number: C91014968

Title: LISB-an individual route guidance and information system in Berlin

Author Hoffmann, G.

Author Affiliation: Tech. Univ., Berlin, West Germany

Conference Title: Control, Computers, Communications in Transportation. Selected Papers from the IFAC/IFIP/IFORS Symposium p. 265-8

Editor(s): Perrin, J.P.

Publisher: Pergamon , Oxford, UK

Publication Date: 1990 Country of Publication: UK xii+284 pp.

ISBN: 0 08 037025 X

Conference Sponsor: IFAC; IFIP; IFORS

Conference Date: 19-21 Sept. 1989 Conference Location: Paris, France

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Experimental (X)

Abstract: The overall system consists of the on-board vehicle navigation equipment, additional IR transmitters and receivers installed on existing traffic control signal nests, the beacon control in the interconnected local controllers, and a central traffic guidance computer. It is not necessary to lay new cables. Information transmission from the beacon control to the infrared transmitters will take place via the existing signal lines. Data exchange with the central guidance computer will be performed via cable connections which are used by the traffic signal control computers for coordinating the traffic control signal installations. The guidance strategy of the LISB system and results of the field trial in Berlin are described. (4 Refs)

Subfile: C

Descriptors: computerised navigation; road traffic; signalling; traffic computer control

Identifiers: vehicle route guidance information system; traffic control; IR receivers; computerised navigation; LISB; Berlin; IR transmitters; traffic control signal; beacon control; central traffic guidance computer

Class Codes: C3360B (Road-traffic systems); C7490 (Other engineering fields); C3370L (Remote signalling, dispatching and safety devices)

^ 10/5/2 (Item 2 from file: 2) [Links](#)

INSPEC

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03269859 INSPEC Abstract Number: C84029291

Title: Distributed traffic control system

Author Nakai, M.; Kasahara, M.

Author Affiliation: Tech. Res. Lab., Kinki Nippon Railway Co. Ltd., Nara-city, Japan

Conference Title: Real Time Digital Control Applications. Proceedings of the IFAC/IFIP Symposium p. 301-6

Editor(s): Alonso-Concheiro, A.

Publisher: Pergamon , Oxford, UK

Publication Date: 1984 Country of Publication: UK xiv+642 pp.

ISBN: 0 08 029980 6

Conference Date: 17-19 Jan. 1983 Conference Location: Guadalajara, Mexico

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The newly developed distributed train traffic control system adopting micro-computers is introduced, in contrast to the conventional system, which integrates signal control distributed at stations into the operation dispatching center using remote-control apparatus. In the new system, the micro-computers installed at each station control signals following to the train timetable, and the central computer at the operation dispatching center manages the train schedule through the whole line and transmits the train timetable data of operation plan or operation changes, in place of signal control data, to the micro-computers at station. The authors start the test operation of the prototype equipment for one station. (1 Refs)

Subfile: C

Descriptors: rail traffic; railways; transportation

Identifiers: traffic control; train control; railways; computer control; distributed train traffic control system; micro-computers; train schedule; train timetable; operation plan

Class Codes: C1290H (Transportation); C3360D (Rail-traffic systems); C7490 (Other engineering fields)

10/5/3 (Item 3 from file: 2) [Links](#)

INSPEC

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01618133 INSPEC Abstract Number: C74008878

Title: Process control system for test stand data acquisition and control in an automotive company

Author Bender, R.; Reiter, H.

Author Affiliation: Volkswagenwerk AG, Wolfsburg, West Germany

Conference Title: International Computing Symposium 1973 p. 299-305

Editor(s): Gunther, A.; Levratt, B.; Lipps, H.

Publisher: North-Holland, Amsterdam, Netherlands

Publication Date: 1974 Country of Publication: Netherlands xii+635 pp.

ISBN: 0 7204 2097 0

Conference Sponsor: Assoc. Computing Machinery

Conference Date: 4-7 Sept. 1973 Conference Location: Davos, Switzerland

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A)

Abstract: A Process Control System (PCS) was installed in the VW-Research and Development Center in Wolfsburg permitting simultaneous data acquisition and control for 78 different test stands. The VW-PCS is a computer system consisting of a CD 6500 master computer and 6 interactive-connected process control computers CD 1700 which acquire and partly preprocess information received in real-time from the test stands. Three of the 6 systems, identical in function and process peripherals, have the following tasks: Input and output of low frequency analog and digital signals and critical even monitoring. Two other identical systems are dedicated to data acquisition of high frequency analogue and digital signals. The described computer pyramid is located in a central computer room. A sixth CD 1700 system is capable of operating up to 16 motor endurance test stands (24 hours a day) located in a remote hall. Test data are transmitted via data channel to the CD 6500 master computer for further processing and plotting. (0 Refs)

Subfile: C

Descriptors: automatic testing; automobile industry; control engineering applications of computers; data acquisition; process control

Identifiers: process control system; test stand; data acquisition; control; automotive company; computer system; automobile

Class Codes: C3355Z (Other manufacturing processes); C7420 (Control engineering); C7490 (Other engineering fields)

10/5/4 (Item 4 from file: 2) [Links](#)

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INSPEC

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01537611 INSPEC Abstract Number: C73016609

Title: The remote control system IFS 7 for train destination indicator installations

Author Becker, H.

Journal: Technische Mitteilungen AEG-Telefunken vol.63, no.2 p. 60-1

Publication Date: 1973 Country of Publication: West Germany

CODEN: TMATBD ISSN: 0040-1447

Language: German Document Type: Journal Paper (JP)

Treatment: Applications (A)

Abstract: A central computer controlled train destination indicator system for local traffic can work with up to 50 stations. The system capacity enables 225000 reports and commands to be transmitted. (0 Refs)

Subfile: C

Descriptors: control engineering applications of computers; control systems; rail traffic; telecontrol

Identifiers: computer control; telecontrol; remote control system; train destination indicator system

Class Codes: C3360D (Rail-traffic systems); C7420 (Control engineering)

10/5/5 (Item 5 from file: 2) [Links](#)

INSPEC

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01498021 INSPEC Abstract Number: B73014955, C73006336

Title: Distribution automation for metering and control

Author Murphy, E.E.; Walden, R.M., Jr.

Author Affiliation: Westinghouse Electric Corp., Raleigh, NC, USA

Conference Title: Proceedings of the American Power Conference (Vol. 34) p. 968-71

Publisher: American Power Conf , Chicago, IL, USA

Publication Date: 1972 Country of Publication: USA liv + 1105 pp.

Conference Sponsor: Ill. Inst. Technol., Et al

Conference Date: 18-20 April 1972 Conference Location: Chicago, IL, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A)

Abstract: The distribution Automation System (DAS) is designed to meet the utility industry's need for improved operating efficiency. In operation, the DAS utilizes a computer located in a central

station to initiate all the monitoring, control, and data acquisition functions. Standard power line carrier or telephone communications link the central station to each remote distribution substation, which, in turn, may be connected by distribution line communications to every control point and customer. In conjunction with the carrier communications equipment installed at each remote substation, the DAS would employ a sectionalizing switch at selected points on each distribution feeder, signal repeaters along each feeder (if necessary), service continuity monitoring devices at key feeder points, and specialized equipment at each customer location. Each remote substation is equipped to relay communication, control, and meter reading information between the remote test points and the central station. (0 Refs)

Subfile: B C

Descriptors: control engineering applications of computers; electrical engineering applications of computers; metering; power system control

Identifiers: metering; Distribution Automation System; operating efficiency; monitoring; control; data acquisition; sectionalizing switch; service continuity monitoring devices; remote substation

Class Codes: B8120J (Distribution networks); B8150 (Power system measurement and metering); C3340H (Electric systems); C7410B (Power engineering); C7420 (Control engineering)

10/5/6 (Item 6 from file: 2) [Links](#)

INSPEC

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01396806 INSPEC Abstract Number: B72022829, C72013497

Title: Optimization of load distribution in the traction power supply system of the German Federal Railways by means of a process computer

Author Schafer, H.H.

Conference Title: 1971 international congress of electric railways p. 1.1 20 pp.

Publisher: VDE-Verlag , Berlin, West Germany

Publication Date: 1971 Country of Publication: West Germany 612 pp.

Conference Sponsor: Assoc. German Electrical Engrs

Conference Date: 11-15 Oct. 1971 Conference Location: Munich, West Germany

Language: German Document Type: Conference Paper (PA)

Treatment: Applications (A)

Abstract: The paper briefly describes the network size and configuration as well as the power stations and the network operation control required for supplying traction current to the German Federal Railways. Taking account of the power requirements which vary greatly with time and of the large number of parameters affecting the cost of electricity, problems involved in optimizing the load distribution in such networks are discussed. For this purpose, the 'off-line' as well as 'on-line open-loop' and 'on-line closed-loop' modes of operation are explained the last-mentioned mode being considered the most desirable. The data transmission system required for optimization and the information to be transmitted are described. In connection with 'on-line' optimization, reference is made to the large number of values to be considered and to the boundary conditions. Finally a survey of the hardware of the process computer (central processing unit IBM 1801 and peripheral equipment) is given.

Subfile: B C

Descriptors: computer applications; control engineering applications of computers; electrical engineering applications of computers; load distribution; optimisation; power system control; power systems; rail traffic; railways; traction

Identifiers: optimization; load distribution; traction power supply system; German Federal

Railways; network operation control; data transmission system; boundary conditions; central processing unit; peripheral equipment; on line open loop mode; on line closed loop mode; off line mode

Class Codes: B8110B (Power system management, operation and economics); B8520 (Transportation); C3340H (Electric systems); C3360D (Rail-traffic systems); C7410B (Power engineering); C7420 (Control engineering)

10/5/7 (Item 7 from file: 2) [Links](#)

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01211533 INSPEC Abstract Number: B71002510, C71001762
Title: Maritime communication via satellites

Author Knudtzon, N.

Journal: Teknisk Ukeblad vol.117, no.31 p. 15-17

Publication Date: 30 July 1970 Country of Publication: Norway

CODEN: TUGEAJ ISSN: 0040-2354

Language: Norwegian Document Type: Journal Paper (JP)

Abstract: Ionospheric radio systems will never be able to offer the desired quality for trustworthy and fault-free telex and data transmission. Satellite communication will therefore become an essential condition for the achievement of new concepts in ship-shore communication. In addition to the conventional telephone, Telex and Data needs, the article forecasts new concepts in three stages: (1) Automation of ships' propulsion with engines unmanned except for supervision; navigation information affecting ship's course with security safeguards; (2) By means of a computer on board, information received will directly control course, collision watch, pilotage, automation of engine room functions. Indirectly, loading, accounting etc., would be by data processing. Telex methods would provide for individual needs. (3) A computer installed on board would be peripheral to a land-based main computer to perform all above functions using data transmission at 2400 bits/sec.

Subfile: B C

Descriptors: artificial satellites; communications applications of computers; computer applications; control engineering applications of computers; data communication systems; data transmission systems; navigation; radionavigation; satellite relay systems

Class Codes: B6250G (Satellite relay systems); B6330 (Radionavigation and direction finding); C3370H (Radio and radar); C7410F (Communications)

10/5/8 (Item 1 from file: 475) [Links](#)

Wall Street Journal Abs

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01078287 NYT Sequence Number: 016941760527

(Control Data Corp announces high-speed central computer that distributes processing of system information through network of 10 to 20 smaller computers. Computer, Control Data Cyber 70, Model 71, is designed to handle both batch processing and time-sharing applications and can support network of up to 500 simultaneous remote terminal users (S).)

Wall Street Journal , Col. 3 , Pg. 8

Thursday May 27 1976

Document Type: Newspaper Journal Code: WSJ Language: English Record Type: Abstract
Company Names: CONTROL DATA CORP
Descriptors: CONTROL DATA CYBER 70 (COMPUTER); DATA PROCESSING
PROGRAMMING AND SYSTEMS; NEW MODELS, DESIGN AND PRODUCTS

12/5/1 (Item 1 from file: 2) [Links](#)

INSPEC

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07555545 INSPEC Abstract Number: C2000-05-7190-002

Title: A survey of computer use in the New Zealand building and construction industry

Author Doherty, J.M.

Author Affiliation: Salesoft CAD Solutions Ltd., New Zealand

Journal: Electronic Journal of Information Technology in Construction vol.2

Publication URL: <http://www.itcon.org/index.htm>

Publisher: R. Inst. Technol ,

Publication Date: 1997 Country of Publication: Sweden

ISSN: 1400-6529

Material Identity Number: K711-2000-002

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Computers are now a vital part of all effective businesses. However, the current extent of computer use in the New Zealand building and construction industry is not known. The report presented attempts to measure computer usage for the main functional roles, detail what is used, how such use has changed in the past five years, and assess what direction the industry is now heading with regard to the use of computers. One of the conclusions reached is that a large minority of businesses either do not use computers or use them only casually. It is not known how significant this is. A similarly large minority needs to upgrade their computers. Growth is expected in electronic information services, especially on the Internet. There is an apparent need for advice in the area of businesses better managing their use of computers. (5 Refs)

Subfile: C

Descriptors: building; business data processing; construction industry; DP management; government policies; Internet

Identifiers: computer use management; New Zealand building; construction industry; business computing; computer usage; functional roles; electronic information services; Internet

Class Codes: C7190 (Other fields of business and administrative computing); C7440 (Civil and mechanical engineering computing); C7210N (Information networks); C0310 (EDP management); C0230 (Economic, social and political aspects of computing)

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12/5/2 (Item 2 from file: 2) [Links](#)

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05053466 INSPEC Abstract Number: C9202-3260G-011

Title: Reliability and diagnosis in hydraulic systems

Author Gebhardt, N.; Schuszter, M.

Author Affiliation: Inst. für Baumaschinen, Forder- und Entsorgungstechn., Dresden, Germany
Journal: Oelhydraulik und Pneumatik vol.35, no.11 p. 844-9

Publication Date: Nov. 1991 Country of Publication: West Germany
CODEN: OEPNAQ ISSN: 0341-2660

Language: German Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Construction machinery is being equipped with modern hydraulics to an increasing extent. With the use of servo or proportional controls energy-optimised control concepts can be realised in practice. The electrical control of the hydraulic units creates the main basis for computer-supported control systems for the machines themselves. (0 Refs)

Subfile: C

Descriptors: computerised control; construction industry; hydraulic control equipment; optimal control

Identifiers: construction equipment; reliability; servo controls; diagnosis; hydraulic systems; proportional controls; energy-optimised control; electrical control

Class Codes: C3260G (Hydraulic and pneumatic equipment); C3330 (Building and civil engineering); C7420 (Control engineering); C1330 (Optimal control)

12/5/3 (Item 3 from file: 2) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)
INSPEC

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03435333 INSPEC Abstract Number: D85001109

Title: Managing computers in construction

Author Cornwall, R.

Journal: Building vol.248, no.11 p. 77

Publication Date: 15 March 1985 Country of Publication: UK
CODEN: BULDBE ISSN: 0007-3318

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: Purchasing, materials and subcontractor control are among the main new computer applications planned by the larger contractors. This was the view taken by 30 directors of large contractors who attended a briefing given by Arthur Andersen & Co. at the invitation of the Building Computer Centre. As expected, most of the firms used computers for their payroll, financial ledgers and contract cost control. Planning and scheduling, resource planning and control was also a current application for half of the participants. As well as purchasing, materials and subcontractor control, estimating and tendering emerged as another 'hot' area for development. Other areas mentioned as candidates for computerisation in the near future were surveying and ground modelling, integration of the information systems and control of sales for house-building. (0 Refs)

Subfile: D

Descriptors: budgeting; construction industry; payroll data processing

Identifiers: purchasing; planning; construction; materials; subcontractor control; computer applications; payroll; financial ledgers; contract cost control; scheduling; resource planning; estimating; tendering; surveying; ground modelling; information systems; house-building

Class Codes: D2050 (Financial applications); D2070 (Industrial and manufacturing); D2115 (Property market and building industry)

~~Non- Patent Literature Full - Text

[File 15] ABI/Inform(R) 1971-2008/Apr 21
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[File 16] Gale Group PROMT(R) 1990-2008/Apr 16
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**File 16: Because of updating irregularities, the banner and the update (UD=) may vary.*

[File 148] Gale Group Trade & Industry DB 1976-2008/Apr 03
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**File 148: The CURRENT feature is not working in File 148. See HELP NEWS148.*

[File 160] Gale Group PROMT(R) 1972-1989
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[File 275] Gale Group Computer DB(TM) 1983-2008/Apr 15
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[File 621] Gale Group New Prod.Annou.(R) 1985-2008/Apr 03
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[File 9] Business & Industry(R) Jul/1994-2008/Apr 14
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[File 613] PR Newswire 1999-2008/Apr 21
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**File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*

[File 624] McGraw-Hill Publications 1985-2008/Apr 18
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**File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more*

[File 636] Gale Group Newsletter DB(TM) 1987-2008/Apr 15
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[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
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; d s
Set      Items      Description
S1      322329      S (MASTER OR MAIN OR CENTRAL OR CHIEF OR PRIMARY
OR PRINCIPAL OR FIRST OR INITIAL OR TOP()LEVEL OR WORK) (3N)
(MACHINE OR COMPUTER)
S2      10661       S (MANAG??? OR CONTROL? ? OR CONTROL??? OR
COORDINAT??? OR DIRECT??? OR GOVERN??? OR GUID??? OR HANDL???)
(3N) (COMPUTERS OR MACHINES)
S3      23487       S (DISTRIBUT??? OR DISSEMINAT??? OR
PASS???)DOWN OR TRANSMIT? OR RECEIV???) (5N) (ORDER? ? OR
INSTRUCTION? ? OR COMMAND? ? OR DIRECTION? ? OR INFORMATION OR
SIGNAL? ?)
S4      3411        S CONSTRUCTION() (WORK OR INDUSTRY) OR BULLDOZER?
? OR HYDRAULIC()SHOVEL? ? OR (STREAM OR ROAD)()ROLLER? ? OR
GRADER? ? OR DUMP()TRUCK? ? OR STEAMROLLER? ? OR (WORK OR FLOW
OR MACHINE) ()MANAGEMENT
S5      167500      S INTRANET OR WIDE()AREA()NETWORK OR WAN OR
LOCAL()AREA()NETWORK OR LAN OR NETWORK? ? OR SERVER? ? OR
COMPUTERI? OR COMPUTER() (CONTROL? OR BASE?) OR ELECTRONIC
S6      78991       S RADIO? ? OR WIRELESS OR WIRE()LESS OR WAP OR
CELL OR CELLULAR OR MOBILE OR REMOTE?? OR RECEIVER? ?
S7      327         S S1 (5N) S2
S8      3           S S7 (S) S3
S9      1588        S S1 (S) S2
S10     31          S S9 (S) S3
S11     16          S S10 (S) (S4 OR S5 OR S6)
S12     13          S S11 NOT PY>2000
```

App#09/ 973, 757

S13	12	S S12 NOT S8
S14	11	RD (unique items)

8/3,K/1 (Item 1 from file: 15) [Links](#)

ABI/Inform(R)

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00930371 95-79763

Turning mass calling from a problem in to a profit

Bennett, David; Diplock, Mike

Telecommunications (International Edition) v28n9 pp: 127-131

Sep 1994

Journal Code: TIE

Word Count: 1915

Text:

...leaving that port ready to receive the next call.

CONTROL COMPUTERS

Each of the four control computers has its own task:

- * the central voting computer keeps records of all votes received;

- * the billing computer collects billing information and generates billing tapes;

- * the management computer enables the network operator to program and download...

^ 8/3,K/2 (Item 1 from file: 275) [Links](#)

Gale Group Computer DB(TM)

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01358917 Supplier Number: 08209530 (Use Format 7 Or 9 For FULL TEXT)

Everything you wanted to know about factory networking. (includes related article on industrial networking) (tutorial)

Industrial Computing , p12(4)

Feb, 1990

Document Type: tutorial

ISSN: 0268-7860

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT

Word Count: 1917 Line Count: 00153

...are linking CAD systems to production control systems, tying programmable logic controllers (PLCs) to cell controllers and central computers, and distributing work-orders to CNC machine tools.

In order for industrial LANs to work effectively and be cost-effective in the...

8/3,K/3 (Item 1 from file: 8) [Links](#)

Ei Compendex(R)

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03470013 E.I. Monthly No: EI7508050069 E.I. Yearly No: EI75005530

Title: PROCESS CONTROL SYSTEM FOR TEST STAND DATA ACQUISITION AND CONTROL IN AN AUTOMOTIVE COMPANY.

Author: Bender, R.; Reiter, H.

Corporate Source: Volkswagenwerk, Wolfsburg, Ger

Source: Int Comput Symp 1973, Proc, Davos, Switz, Sep 4-7 1973 p 299-305. Publ by North-

Holland Publ Co, Amsterdam, Neth, 1974. Available from Am Elsevier Publ Co, New York, NY

Publication Year: 1973

Language: ENGLISH

Abstract: The VW-PCS computer system consists of a CD 6500 master computer and 6 interactive-connected process control computers CD 1700 which acquire and partly preprocess information received in real-time from the test stands. Three of the 6 systems, identical in function...

14/3,K/3 (Item 1 from file: 16) [Links](#)

Gale Group PROMT(R)

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03296965 Supplier Number: 44550000 (USE FORMAT 7 FOR FULLTEXT)

NEC Nabs Orders for Parallel Supercomputers

Comline Computers , p N/A

March 28 , 1994

Language: English Record Type: Fulltext

Document Type: Newswire ; Trade

Word Count: 139

(USE FORMAT 7 FOR FULLTEXT)

Text:

NEC Corp. (6701) has received orders for its Cenju-3 parallel processing type supercomputer from 1 company and 3 universities, including Nagoya University and the graduate school of the University of Electronic Communication. The orders follow installation of its first machine at Kyoto University in February. Of the 4 new orders, worth a total of about...

...have been in the forefront of parallel processing computers, although Fujitsu Ltd. (6702) sold its first machine last November. NEC is late to the game, but appears intent on offering competition to U.S. makers, having already managed to sell 5 machines.

14/3,K/4 (Item 2 from file: 16) [Links](#)

Gale Group PROMT(R)

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01037227 Supplier Number: 41141500

A computer breakthrough
Record (Hackensack, NJ) , p A1
Jan 30 , 1990
Language: English Record Type: Abstract
Document Type: Newspaper ; Trade

Abstract:

...s Bell Laboratories (Holmdel, New Jersey) researchers introduced on 1/2/90 the world's first computer that uses light to process information instead of electricity. The computer is not any more complex than the simple processors which control appliances like washing machines, but the technology behind the computer may be used in the next generation of supercomputers. Computers could process over 1,000 times as much information as their electronic counterparts and solve problems beyond current supercomputers' capacity by using light. On an elementary level, AT&T's device (what it calls a digital optical processor) uses lasers to transmit information within a computer. AT&T researchers admit that it will be several years before the...

14/3,K/10 (Item 1 from file: 8) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)
Ei Compendex(R)

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03591659 E.I. Monthly No: EI7611078491 E.I. Yearly No: EI76082599
Title: PHILADELPHIA'S WATER SYSTEM AUTOMATION PLAN

Author: Guarino, Carmen F.; Radziul, Joseph V.; Hess, Alano; Cairo, Patrick R.; Day, Robert E.; Smith, John J. Jr.
Corporate Source: Water Dep, Philadelphia, Pa
Source: American Society of Civil Engineers, Journal of the Environmental Engineering Division v 102 n 5 Oct 1976 p 953-968
Publication Year: 1976
CODEN: JEEGAV ISSN: 0090-3914
Language: ENGLISH

Abstract: ...associated components. Analytical instrumentation and other devices located in the rivers, the treatment process, and distribution system provide information through communication links to process control computers. The data are analyzed by the master control computer which utilizes especially derived algorithms to determine adjustments of chemical feeds and process flows via.... ..of the five-level hierarchical control structure and the derivation of advanced control strategies for computer-based process control and management. 7 refs.

14/3,K/11 (Item 1 from file: 14) [Links](#)
Mechanical and Transport Engineer Abstract
(c) 2008 CSA. All rights reserved.
0001218191 IP Accession No: 200804-61-441677
Structure of meter

Wang, Ching-Hung
, USA

Publisher Url: <http://patft.uspto.gov/netaagi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=7339487.PN.&OS=pn/7339487&RS=PN/7339487>

Document Type: Patent
Record Type: Abstract
Language: English
File Segment: Mechanical & Transportation Engineering Abstracts

Abstract:

...board provided in the casing and having a connecting unit for connecting to an external machine, a central processor provided on the circuit board for transmitting the signals among individual unit and machine, a display unit for displaying the condition of the external machine, a correcting memory unit for detecting and memorizing the signals from various machines, a driving control unit for saving the variations in signals from various machines, a monitoring unit for presetting an alarm value and producing an alarm signal, a wireless transmitting unit for receiving the signals transmitted from the wireless controller, and an illuminating unit connected to the central processor for corresponding to both ends...